

Date: Sun, 15 May 94 04:30:15 PDT  
From: Ham-Ant Mailing List and Newsgroup <ham-ant@ucsd.edu>  
Errors-To: Ham-Ant-Errors@UCSD.Edu  
Reply-To: Ham-Ant@UCSD.Edu  
Precedence: Bulk  
Subject: Ham-Ant Digest V94 #143  
To: Ham-Ant

Ham-Ant Digest                      Sun, 15 May 94                      Volume 94 : Issue    143

Today's Topics:

    GOPHER archives for rec.radio.amateur.[antenna|homebrew],QRP  
                    Loaded LPDA?  
                    looking for interdigital filters  
                    Loop Skywire  
                    Radar  
                    radar detectors  
                    Telescoping Mast Advice Sought

Send Replies or notes for publication to: <Ham-Ant@UCSD.Edu>  
Send subscription requests to: <Ham-Ant-REQUEST@UCSD.Edu>  
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Ham-Ant Digest are available  
(by FTP only) from UCSD.Edu in directory "mailarchives/ham-ant".

We trust that readers are intelligent enough to realize that all text  
herein consists of personal comments and does not represent the official  
policies or positions of any party. Your mileage may vary. So there.

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Date: 14 May 1994 23:54:52 GMT  
From: ihnp4.ucsd.edu!swrinde!gatech!concert!bigblue.oit.unc.edu!sunSITE!  
modena@network.ucsd.edu  
Subject: GOPHER archives for rec.radio.amateur.[antenna|homebrew],QRP  
To: ham-ant@ucsd.edu

Advisory on GOPHER-accessible archives of:

    rec.radio.amateur.antenna  
  
    rec.radio.amateur.homebrew  
  
    QRP@Think.com

Subject-threaded articles from the above mentioned topics can be read  
via GOPHER (and presumably MOSIAC and WWW). Individual articles can

be retrieved via the built-in email mailer (press 'm' to pop the menu).

One can assess these archives in one of two ways:

1. Via your local GOPHER client
2. Telnet to the public GOPHER server at SunSITE.

At the present time, simple FTP access to these archives is not possible.

1. Use the following profile to point your local GOPHER client to the appropriate part of sunsite.unc.edu:

```
+-----+
#
Type=1+
Name=Electronics & Computers
Path=1/../../pub/academic/agriculture/agronomy/electronics+computers
Host=calypso-2.oit.unc.edu.
Port=70
Admin=Jonathan Magid and Simon Spero, 919-962-9107 <ftpkeeper@sunsite.unc.edu>
ModDate=Sat May 14 16:54:22 1994 <19940514165422>
URL: gopher://calypso-2.oit.unc.edu.:70/11/../../pub/academic/agriculture/
    agronomy/electronics+computers
+-----+
```

NOTE: The URL: line was too long to send on Usenet. Join the line subsequent to the URL: line back to the URL: line before putting the profile item in your .link file.

The GOPHER directory will look like this:

Internet Gopher Information Client 2.0 pl11  
Electronics & Computers

1. Ham Radio Callbook Server - SUNY at Buffalo <TEL>
- > 2. Archives of rec.amateur.radio.ANTENNAS /
3. Archives of rec.radio.amateur.HOMEBREW /
4. Archives of QRP ... threaded from Think.com /
5. Archives of sci.ELECTRONICS /
6. . . . . other HAM RADIO related items /
7. OS2: an FAQ, the IBM Gopher and other trivia /
8. COLEM /
9. NEC /

## 2. TELNET to a GOPHER server (an example session)

```
>telnet sunsite.unc.edu
Trying 198.86.40.81 ...
Connected to sunsite.unc.edu.
Escape character is '^]'.
***** Welcome to SunSITE.unc.edu *****
SunSITE offers several public services via login. These include:
```

```
For a simple gopher client,                login as gopher
.....
```

```
Internet Gopher Information Client 2.0 pl11
Root gopher server: gopher.unc.edu
```

```
--> 5.  Worlds of SunSITE -- by Subject/
```

```
.....
```

```
Internet Gopher Information Client 2.0 pl11
Worlds of SunSITE -- by Subject
```

```
--> 3.  Browse All Sunsite Archives/
```

```
.....
```

```
Internet Gopher Information Client 2.0 pl11
Browse All Sunsite Archives
```

```
--> 8.  academic    software written by researchers in different disci.../
```

```
.....
```

```
Internet Gopher Information Client 2.0 pl11
academic    software written by researchers in different disciplines
```

```
--> 3.  agriculture  information about scientific farming, horti.../
```

```
.....
```

```
Internet Gopher Information Client 2.0 pl11
```

```
agriculture  information about scientific farming, horticulture, and .../
```

```
--> 3.  agronomy/
```

.....

Internet Gopher Information Client 2.0 pl11  
agronomy

--> 8. Electronics & Computers /

.....

Internet Gopher Information Client 2.0 pl11  
Electronics & Computers

- 1. Ham Radio Callbook Server - SUNY at Buffalo <TEL>
- > 2. Archives of rec.amateur.radio.ANTENNAS /
- 3. Archives of rec.radio.amateur.HOMEBREW /
- 4. Archives of QRP ... threaded from Think.com /
- 5. Archives of sci.ELECTRONICS /
- 6. . . . . other HAM RADIO related items /
- 7. OS2: an FAQ, the IBM Gopher and other trivia /
- 8. COLEM /
- 9. NEC /

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73/Steve Modena/AB4EL MODENA@sunsite.unc.edu

ham-radio gopher advisory/version 1.0.0/14 May 94

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Date: 14 May 94 12:56:40 GMT  
From: dog.ee.lbl.gov!agate!iat.holonet.net!vectorbd!jp11@ucbvax.berkeley.edu  
Subject: Loaded LPDA?  
To: ham-ant@ucsd.edu

Todd Little (little@iamu.chi.dec.com) wrote:

: Would it be possible to somehow load the last 2-3 elements that would be  
: active on 18 and 20 meters to short them to 15 meter dimensions? Has  
: anyone built such an antenna?

I believe that the phase realtionships (that of the waves) between the loaded  
and unloaded elements would not be right and would not work

--

-Jim Lill-  
jp11@vectorbd.com

-----  
Vector Board BBS  
716-544-1863/2645

wa2zkd@wb2psi.#wny.ny.usa.na

GEnie: ZKD

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Date: 12 May 94 22:34:50 +0930  
From: ihnp4.ucsd.edu!munari.oz.au!foxhound.dstov.gov.au!fang.dstov.gov.au!  
dstos3.dstov.gov.au!mwf@network.ucsd.edu  
Subject: looking for interdigital filters  
To: ham-ant@ucsd.edu

hello all

This is my first question to this group, I hope someone may be able to help.

I am looking for a program to design interdigital filters.

dos based much preferred.

mwf@victor.erl.dstov.gov.au

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Date: Thu, 12 May 94 16:15:00 EDT  
From: newshub.sdsu.edu!nic-nac.CSU.net!usc!howland.reston.ans.net!  
europa.eng.gtefsd.com!news.msfc.nasa.gov!news.larc.nasa.gov!lerc.nasa.gov!  
kira.cc.uakron.edu!malgudi.oar.net@ihnp4.ucsd.edu  
Subject: Loop Skywire  
To: ham-ant@ucsd.edu

-----BEGIN PGP SIGNED MESSAGE-----

zlau@arrl.org (Zack Lau (KH6CP)) writes:

> Jim Grubs, W8GRT (jgrubs@voxbox.norden1.com) wrote:  
>  
> : > One thing to be careful of is to make it as close to a square as possible.  
> : > far from a square and it starts to exhibit some sharp lobes, depending on  
> : > exact configuration and frequency, height, etc. Actually, I think a circle  
> : > would be best but that's pretty hard to do for most of us. Mine was within  
> : > few feet of being square.  
> :  
> : I saw a loop demo at Dayton 10 or 12 years ago that pretty well  
> : proved that loop shape doesn't make a darn bit of difference if  
> : the circumference is  $\ll \lambda/2$ .  
>  
> True, for very small loops the shape doesn't affect the pattern, though  
> I can think of some shapes that could increase the losses.  
>

> However, the loop being discussed is a full wavelength at the lowest  
> frequency, and multiple wavelengths at harmonic frequencies.

Aren't there phase shift problems for circumferences >  $\lambda/2$   
?

-----BEGIN PGP SIGNATURE-----

Version: 2.3a

iQCVAgUBLdK0ksmzkeX3rfUNAQFQuQP8DTFXeCONg0ItzAGE0UZQxJ1XZp6Ajm4j  
r5bcdhoySAUolWHr+xzVyrXQtcwkrMH1f6lrRhbcAwJjnIJBINJda2qiu0Jhdvbn  
1ckUErIdJupYBl+coJh1qtkMmtCV10dupz0IWFNwtJKF6hiC0LC1u0zECq2qJ9Lx  
3BInaC06gvI=  
=Rvg4

-----END PGP SIGNATURE-----

```
/-----\
| Jim Grubs, W8GRT          Voxbox Enterprises    Tel.: 419/885-2814   |
| jgrubs@voxbox.norden1.com 6817 Maplewood Ave.  Fax/Data: 419/885-2905 |
| Fido: 1:234/1.0          Sylvania, Ohio 43560  Home: 419/882-2697   |
|              AMATEUR RADIO - The National Park of the Mind          |
\--+-----/
```

-----  
Date: 13 May 1994 08:59:35 -0700  
From: nntp.crl.com!crl.crl.com!not-for-mail@decwrl.dec.com  
Subject: Radar  
To: ham-ant@ucsd.edu

Thats what I would do - Make a receiver to DETECT the local osc. of the  
radar unit you want to monitor. You can do the same for their radios but, its  
going to be better for the radar (less false detections), due to lesser amt.  
of units in the field. VHF/UHF radios everywhere.

--

Joseph Stroup

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Date: 14 May 1994 16:06:04 GMT  
From: ihnp4.ucsd.edu!agate!doc.ic.ac.uk!uknet!bnr.co.uk!corpgate!bnrgate!  
bmerha64.bnr.ca!news%bmerha64@network.ucsd.edu  
Subject: radar detectors  
To: ham-ant@ucsd.edu

In article <2qr9bd\$nsk@agate.berkeley.edu>  
kennish@kabuki.EECS.Berkeley.EDU (Ken A. Nishimura) writes:

[snip]

> Hmm, Canada, eh? They ban those puppies out there, no?

Not in New Brunswick. Ontario and Quebec have passed laws prohibiting their use, though.

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~~~~~
Fred M. Davis      VA3FD      | These opinions are mine and are not
Northern Telecom Ltd. | necessarily those of the company
Semiconductor Components Group | fmdavis@bnr.ca
Nepean, ON.        | va3fd@k9iu.ampr.org
                    | freddy.davis@lambada.oit.unc.edu
~~~~~
```

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Date: 13 May 1994 00:06:11 GMT  
From: parc!biosci!agate!howland.reston.ans.net!europa.eng.gtefsd.com!  
newsxfer.itd.umich.edu!csd475b!newsserv!majewski@decwrl.dec.com  
Subject: Telescoping Mast Advice Sought  
To: ham-ant@ucsd.edu

Hello to all!

I am thinking about buying a Rohn H-50 telescoping mast for use on Field Day.

Does anyone have first or second-hand experience with this unit?

Did you think it was well made? Do you have any hints/kinks to offer?

Assuming light antenna loading, can you get away with guying every other section rather than every section? (I know this month's QST article recommends the latter)

Are rope guys enough for FD?

I'd appreciate any and all information you can share.

Thanks and 73!

Ron (wb8ruq).  
majewski@erim.org  
--

Ron Majewski (majewski@erim.org)

The Environmental Research Institute of Michigan

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Date: 14 May 94 14:26:53 GMT  
From: dog.ee.lbl.gov!agate!iat.holonet.net!vectorbd!jp11@ucbvax.berkeley.edu  
To: ham-ant@ucsd.edu

References <2pceka\$k74@portal.gmu.edu>, <2pfp6r\$475@search01.news.aol.com>,  
<cleveland.1117950484A@gold>  
Subject : Re: portable antenna for NVIS?

Grover Cleveland (cleveland@gvg47.gvg.tek.com) wrote: : >In article  
<2pceka\$k74@portal.gmu.edu>, drickers@mason1.gmu.edu (Donald E :  
>Rickerson) writes: : > : >>I am looking for a portable antenna to use with  
a Near Vertical Incident : >>Skywave antenna that works with a adaptive HF  
radio, ALE. It has to be : >>a broadband antenna that can be erected by  
semi-skilled operators.

try a B&W broadband Dipole in an inverted vee mode. Metal support is  
alleged to be taboo but works OK. The B&W is okay in eff down to 4 or so  
Mc then gets lossy. Still usable however.

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-Jim Lill-  
jp11@vectorbd.com  
wa2zkd@wb2psi.#wny.ny.usa.na

Vector Board BBS  
716-544-1863/2645  
GEnie: ZKD

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End of Ham-Ant Digest V94 #143  
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